

#2
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/927,827

DATE: 08/21/2001
TIME: 14:52:10

Input Set : A:\seq list 15824B.txt
Output Set: N:\CRF3\08162001\I927827.raw

1 <110> APPLICANT: Bower, Stanley G.
2 Ramseier, Thomas M.
4 <120> TITLE OF INVENTION: Directed Genetic Engineering of *Xanthomonas campestris*
6 <130> FILE REFERENCE: 38-10(15824)B
C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/927,827
C--> 8 <141> CURRENT FILING DATE: 2001-08-10
8 <150> PRIOR APPLICATION NUMBER: US 60/279,493
10 <151> PRIOR FILING DATE: 2001-03-28
12 <160> NUMBER OF SEQ ID NOS: 69
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 7356
16 <212> TYPE: DNA
17 <213> ORGANISM: *Xanthomonas campestris*
19 <220> FEATURE:
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21 <222> LOCATION: (1)..(7356) D
22 <223> OTHER INFORMATION: unsure at all n locations
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40 tctgcctggc ctgagcgtgc tgctggcgg gctgtgggt atgaacatca gctactgggg 480
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ENTERED

P.5

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 88 ttgatccaga tcggcggccg acacgttcaa ggccaggtt aagtccaggc cctgtgtt 1920
 90 ccagcgtgcg gcctggcga tggctggtc gatcaccaggc gcggtatgc gtttgcgt 1980
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 275 <212> TYPE: DNA
 276 <213> ORGANISM: Xanthomonas campestris

RAW SEQUENCE LISTING
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Input Set : A:\seq list 15824B.txt
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 284 aatacccttga tcctgcgcgg catcaacctt cgcgcatttgcgtt gtttgcggat tcgcaccgtt 180
 286 gcccgcgtgg cgcagatcgcc ggccacccgtt gccaacagcg tgcgggtgtt gtcagttcc 240
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 292 gccgcggca gcctggccaa tgccgcggat tactggacca gctgtgcgcac tgcgtgggt 420
 294 gcccaggaaag actacgttat catcaacatc ggcaacagagc cggtcgccaa tcagctcagt 480
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 300 gacaacgcgg cggcgttgcgtt ggcgcgcgc acctgattt cagcgtgcac 660
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 304 aacaatcttgcgtt gggcgagttt ggcgcgcgc atcgcggcgc gcccgtggac 780
 306 gaggcgccgaa tcatgcgcgc cgcgcgcgcgag tacggcgtgg gctatctcgg ctggcgtgg 840
 308 tcgggcaacg acagcagcac gcatgcgtt gatatcgcc tgcgttggaa tcctgcgcgt 900
 310 ttgagcagttt ggggacgcag cctgatttgc ggcgcgcgc gcatgcgc gacccgcgc 960
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316 <211> LENGTH: 333

317 <212> TYPE: PRT

318 <213> ORGANISM: Xanthomonas campestris

320 <400> SEQUENCE: 3

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 326 20 25 30
 328 Thr Gln Leu Lys Glu Ser Asn Gly Asn Thr Leu Ile Leu Arg Gly Ile
 329 35 40 45
 331 Asn Leu Pro His Ala Trp Phe Ala Asp Arg Thr Asp Ala Ala Leu Ala
 332 50 55 60
 334 Gln Ile Ala Ala Thr Gly Ala Asn Ser Val Arg Val Val Leu Ser Ser
 335 65 70 75 80
 337 Gly His Arg Trp Asn Arg Thr Pro Glu Ala Glu Val Ala Arg Ile Ile
 338 85 90 95
 340 Ala Arg Cys Lys Ala Leu Gly Leu Ile Ala Val Leu Glu Val His Asp
 341 100 105 110
 343 Thr Thr Gly Tyr Gly Glu Asp Gly Ala Ala Gly Ser Leu Ala Asn Ala
 344 115 120 125
 346 Ala Ser Tyr Trp Thr Ser Val Arg Thr Ala Leu Val Gly Gln Glu Asp
 347 130 135 140
 349 Tyr Val Ile Ile Asn Ile Gly Asn Glu Pro Phe Gly Asn Gln Leu Ser
 350 145 150 155 160
 352 Ala Ser Glu Trp Val Asn Gly His Ala Asn Ala Ile Ala Thr Leu Arg
 353 165 170 175
 355 Gly Ala Gly Leu Thr His Ala Leu Met Val Asp Ala Pro Asn Trp Gly
 356 180 185 190
 358 Gln Asp Trp Gln Phe Tyr Met Arg Asp Asn Ala Ala Leu Leu Ala
 359 195 200 205

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362 210 215 220
364 Phe Gly Ser Asp Ala Val Val Asp Ser Tyr Leu Arg Thr Phe Arg Ser
365 225 230 235 240
367 Asn Asn Leu Ala Leu Val Val Gly Glu Phe Gly Ala Asp His Arg Gly
368 245 250 255
370 Ala Pro Val Asp Glu Ala Ala Ile Met Arg Arg Ala Arg Glu Tyr Gly
371 260 265 270
373 Val Gly Tyr Leu Gly Trp Ser Trp Ser Gly Asn Asp Ser Ser Thr Gln
374 275 280 285
376 Ser Leu Asp Ile Val Leu Gly Trp Asp Pro Ala Arg Leu Ser Ser Trp
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388 <212> TYPE: DNA
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431 ggccacgcac gcacgcgtac tgatccgcac caaggacgtt gcctacggca ccacgctggg 1200
433 cttcaagatc ggccgggtgg gcgtgggttgc gattctgatc ggcgtgtacg cgggtttctg 1260
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447 gaaggatttga tcgatcttca ggcgcgttgc cggcgttgc tggatcttgc tgaaatttgc 1680

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 08/21/2001
PATENT APPLICATION: US/09/927,827 TIME: 14:52:11

Input Set : A:\seq list 15824B.txt
Output Set: N:\CRF3\08162001\I927827.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:2375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:2377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24